(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 28 October 2004 (28.10.2004)

(10) International Publication Number WO 2004/091709 A1

(51) International Patent Classification7: A61M 21/00, G04C 21/16, G04G 13/02

(21) International Application Number:

PCT/AU2004/000009

8 April 2004 (08.04.2004) (22) International Filing Date:

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2003901877

16 April 2003 (16.04.2003)

(71) Applicant and

(72) Inventor: CLARK, Richard Charles [AU/AU]; 6 Holly Way West, Kalamunda, Western Australia 6076 (AU).

(74) Agent: WRAY & ASSOCIATES; Level 4, The Quadrant, 1 William Street, Perth, Western Australia 6000 (AU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

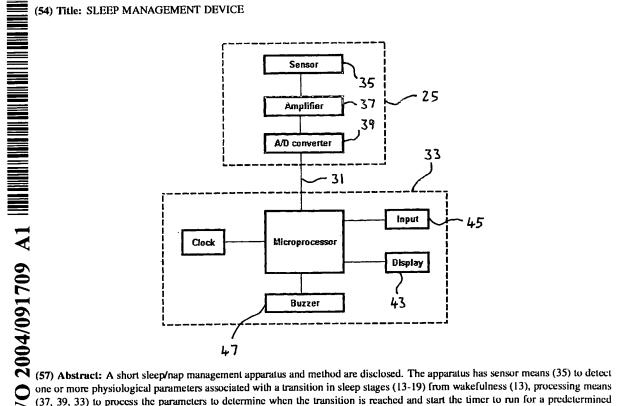
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SLEEP MANAGEMENT DEVICE



one or more physiological parameters associated with a transition in sleep stages (13-19) from wakefulness (13), processing means (37, 39, 33) to process the parameters to determine when the transition is reached and start the timer to run for a predetermined period, and alarm means (47) to actuate at the end of said predetermined period to awaken the user.